

PUBLISHED MONTHLY BY THE: NUBON VALLEY AMATEUR RADIO ASSOCIATION ANN ARBOR, MICHIGAN

# GRID-LEAKS

FEBRUARY 1971 VOL. XII NO. 2

# CAMP & HOOD'

MARCH 7TH AT PIONEER HIGH SCHOOL, ACROSS FROM THE U OF M STADIUM

900 to 1600 (9 to 4) \$1.50 at the door \$1.25 in advance

FIRST PRIZE: PANASONIC PORTABLE TV  
MANY OTHER PRIZES

TALK-IN 3935 KHZ SSB 146.96 MHZ FM

# WBKG 6

LOTS OF TABLE SPACE

ACTION AUCTION

ADEQUATE FREE PARKING

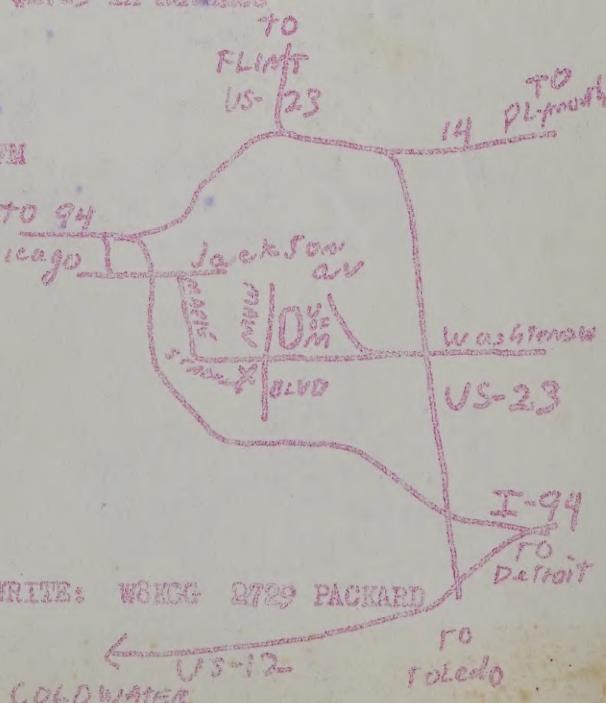
EASY ACCESS

GOOD FOOD

ADVANCE TICKETS AVAILABLE FROM CLUB MEMBERS, OR WRITE: WBKG 2729 PACKARD

ANN ARBOR, MICHIGAN 48104

48104





A VERY LARGE 5 x 5. THANK-YOU TO ROY PURCHASE WHO DONATED A CODE SENDING MACHINE FOR USE BY THE CLUB MEMBERS. ITS IN NEAR PERFECT CONDITION AND HAS SPEEDS FROM 5 WPM TO 30 WPM. ITS IN THE CLUB SHACK AND ANY MEMBER IS WELCOME TO USE IT.

THANK-YOU MR. PALMER FOR BUYING THE CLUB A NEW TOWER, AND HAM-M ROTATOR. HXARA MEMBERS

### NEW MEMBERS

at the January meeting, the following new members were confirmed: John Kiehn W8JKT of  
Waukegan, and Terrance A Marsh K0MMU of Ypsilanti. A hearty welcome from all of us to  
both of you.

### HAM LESSONS AT IPSILANTI HIGH SCHOOL

Cecil Hebrew is teaching an adult education class in amateur radio, covering code and theory for the novice and technician class licenses. The classes will meet every Monday for ten weeks starting February 1st. The classes will be held at 7 to 9 PM in room 115 at Ypsilanti High school 210 Cross in Ypsilanti. Tuition is \$15.00. For information and registration call HU2-6614 or attend the first class on Feb 1st.



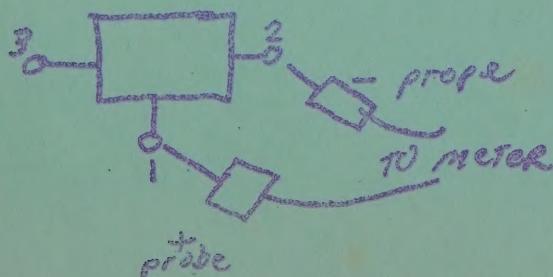
### THE PROFESSOR: W13 LID

1. A tetrahedron is constructed using 1 ohm resistors for sides. What is the resistance between any two corners?

2. Being a bright chap, you construct a capacitor from a cookie sheet, saran wrap and a skillet. You want to charge this home made capacitor to a potential of 200 volts, but you have only a 100 volt source. It's possible to get the 200 volt potential on the capacitor without any additional equipment. How?

3. Observing polarities as shown, connect an ohmmeter to box terminals 1-2 and note reading. Short terminals 1-3 and reading increases. What's in the box? (plus and minus markings are those of the actual ohmmeter battery, and not necessarily those of the test jack markings.)

3



"MORE COFFEE DEAR?"



# NEXT MEETING

VERY IMPORTANT: A discussion on the final plans etc for the swap and shop. All members are most wanted to be at this meeting. (the march meeting will be 2 days before the swap and shop, and so a little late to start anything.) The meeting this month is on Friday, February 5th, at the red cross bldg, 2729 packard rd, ANN ARBOR (pay attention mike). For entertainment, we will have Mr. Avery Downer, from the AA office of Detroit Edison, who will give a 35 min slide presentation and lecture on "Watts under the hood". Designs and ideas of present and future development. Also a film from the NET science library called "Invisible Planet" one of three available to us from the Don Herbert (MR. Wizard) Experiment program.

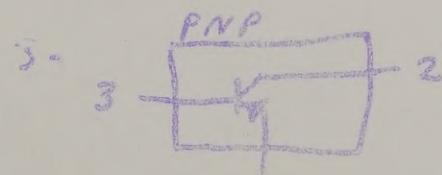
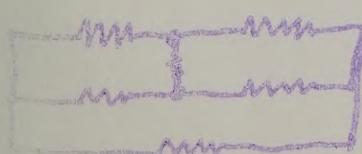
MEETING STARTS AT 8PM (2000)

## WHAT'S BEEN HAPPENING

Some prizes have been gathered for the swap and shop, and a few ideas on how to get more will be brought up at the meeting. Publicity: Flyers have been handed out at the local gatherings of other clubs in the area. Public service announcement copy for 10 sec and 30 sec radio spots have been mailed out along with a cover letter explaining the purpose of our club to every radio and TV station in Michigan, northern and central Indiana and northwestern Ohio. In the works, a TV ID slide and a color video tape with a 30 and 60 sec spot will be made and sent to all area TV stations, with a letter asking for their support, and backed up with a personal visit. Channel 50 WKBD has been most gracious in supporting us, in that they are making the ID slides for us, (at no small cost to themselves). Channel 56 WPTV has agreed to promote us heavily with the ID slide and the video tape spots, and the list is growing. The local radio stations have agreed to air our promotional material as well. Terry B. KBRUR almost had kittens when he heard the news, and Mike has ordered 2000 more flyers for distribution. Anyone care to make a prediction as to the attendance this year????

THIS HAS GOT TO BE ONE OF THE BIGGEST  
SWAP AND SHOPS EVER. WE CERTAINLY AREN'T LACKING  
FOR PUBLICITY.

The professor's answer:  $\frac{1}{2}$  cm. 2. Carefully remove the skillet and place a second sheet of saran wrap over the first sheet and replace the skillet. Assuming no leaking of the charge from the skillet or cookie sheet, Reason: Since the space between plates is doubled, the capacitance is halved. The charge (Q) remains the same so the voltage is doubled (Q equals  $CE$ )



HAPPY VALENTINES DAY!









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TE AMAM

Oran

FIRST CLASS MAIL

PO RADIO STATION/OPERATOR

100  
100  
100  
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